

9 by a first thermally conductive wall and a plurality of secondary thermally conductive walls and is
10 manipulable relative to said housing to facilitate entry and removal of said corresponding medical
11 item within said system;

12 a temperature sensor for measuring a temperature of said heating chamber; and
13 a heater for applying heat to said first wall of each said receptacle;

14 wherein said secondary walls of said each receptacle are arranged to conduct heat
15 from the first wall of said each receptacle and distribute said conducted heat about said
16 corresponding medical item contained within that receptacle to heat said corresponding medical item
17 to said desired temperature; and

18 a controller to facilitate entry of said desired temperature for said heating chamber and to
19 control said heater to heat said at least one medical item to said desired temperature in response to
20 said temperature measured by said temperature sensor.

1 2(Amended). [The system of claim 1 wherein said heating chamber further includes] A
2 temperature control system for heating medical items to desired temperatures comprising:

3 a system housing;

4 a heating chamber disposed within said housing for receiving at least one medical item and
5 heating said at least one medical item to a desired temperature, wherein said heating chamber
6 includes:

7 at least one receptacle each for receiving a corresponding medical item and heating
8 said corresponding medical item to said desired temperature, wherein said each receptacle is defined
9 by a first thermally conductive wall and a plurality of secondary thermally conductive walls;

10 a temperature sensor for measuring a temperature of said heating chamber;

11 a heater for applying heat to said first wall of each said receptacle; and
12 a drawer having said at least one receptacle and a pivoting mechanism for pivoting
13 said drawer relative to said housing to facilitate entry and removal of said drawer within said system;
14 wherein said secondary walls of said each receptacle are arranged to conduct heat
15 from the first wall of said each receptacle and distribute said conducted heat about said
16 corresponding medical item contained within that receptacle to heat said corresponding medical item
17 to said desired temperature; and
18 a controller to facilitate entry of said desired temperature for said heating chamber and to
19 control said heater to heat said at least one medical item to said desired temperature in response to
20 said temperature measured by said temperature sensor.

1 5(Amended). [The system of claim 1 further including:] A temperature control system for
2 heating medical items to desired temperatures comprising:

3 a system housing;

4 a plurality of heating chambers disposed within said housing each for receiving at least one
5 medical item and heating said at least one medical item to a corresponding desired temperature,

6 wherein said each heating chamber includes:

7 at least one receptacle each for receiving a corresponding medical item and heating
8 said corresponding medical item to said corresponding desired temperature, wherein said each
9 receptacle is defined by a first thermally conductive wall and a plurality of secondary thermally
10 conductive walls;

11 a temperature sensor for measuring a temperature of that heating chamber; and

12 a heater for applying heat to said first wall of each said receptacle;

13 wherein said secondary walls of said each receptacle are arranged to conduct heat
14 from the first wall of said each receptacle and distribute said conducted heat about said
15 corresponding medical item contained within that receptacle to heat said corresponding medical item
16 to said corresponding desired temperature; and

17 a plurality of controllers each associated with a respective heating chamber to facilitate entry
18 of a desired temperature for that heating chamber and to control said heater of said respective heating
19 chamber to heat at least one medical item contained within that heating chamber to said
20 corresponding desired temperature in response to a temperature measured by said temperature sensor
21 associated with said respective heating chamber [a plurality of said heating chambers each for
22 receiving at least one medical item and heating said at least one medical item to a corresponding
23 desired temperature; and

24 a plurality of controllers each associated with a respective heating chamber to facilitate entry
25 of a desired temperature for that heating chamber and to control said heater of said respective heating
26 chamber to heat at least one medical item contained within that heating chamber to said
27 corresponding desired temperature in response to a temperature measured by said temperature sensor
28 associated with said respective heating chamber].

1 8(Amended). [The system of claim 7] A temperature control system for heating medical
2 items to desired temperatures comprising:

3 a system housing:

4 a plurality of heating chambers disposed within said housing each for receiving at least one
5 medical item and heating said at least one medical item to a corresponding desired temperature,
6 wherein at least two of said heating chambers are associated with different respective desired

7 temperatures and said each heating chamber includes:

8 at least one receptacle each for receiving a corresponding medical item and heating
9 said corresponding medical item to said corresponding desired temperature, wherein said each
10 receptacle is defined by a first thermally conductive wall and a plurality of secondary thermally
11 conductive walls;

12 a temperature sensor for measuring a temperature of that heating chamber; and

13 a heater for applying heat to said first wall of each said receptacle;

14 wherein said secondary walls of said each receptacle are arranged to conduct heat
15 from the first wall of said each receptacle and distribute said conducted heat about said
16 corresponding medical item contained within that receptacle to heat said corresponding medical item
17 to said corresponding desired temperature; and

18 a controller to facilitate entry of a desired temperature for each heating chamber and to
19 control said heater of said each heating chamber to heat said at least one medical item contained
20 within that heating chamber to said corresponding desired temperature in response to a temperature
21 measured by said temperature sensor associated with that heating chamber.

1 9(Amended). [The system of claim 1 further including] A temperature control system for
2 heating medical items to desired temperatures comprising:

3 a system housing;

4 medical equipment fastened to said system housing;

5 a heating chamber disposed within said housing for receiving at least one medical item and
6 heating said at least one medical item to a desired temperature, wherein said each heating chamber
7 includes:

8 at least one receptacle each for receiving a corresponding medical item and heating
9 said corresponding medical item to said desired temperature, wherein said each receptacle is defined
10 by a first thermally conductive wall and a plurality of secondary thermally conductive walls;
11 a temperature sensor for measuring a temperature of said heating chamber; and
12 a heater for applying heat to said first wall of each said receptacle;
13 wherein said secondary walls of said each receptacle are arranged to conduct heat
14 from the first wall of said each receptacle and distribute said conducted heat about said
15 corresponding medical item contained within that receptacle to heat said corresponding medical item
16 to said desired temperature; and
17 a controller to facilitate entry of said desired temperature for said heating chamber and to
18 control said heater to heat said at least one medical item to said desired temperature in response to
19 said temperature measured by said temperature sensor.

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1 10(Amended). [The system of claim 1 further including] A temperature control system for
2 heating medical items to desired temperatures comprising:
3 a system housing;
4 a heating chamber disposed within said housing for receiving at least one medical item and
5 heating said at least one medical item to a desired temperature, wherein said heating chamber
6 includes:
7 at least one receptacle each for receiving a corresponding medical item and heating
8 said corresponding medical item to said desired temperature, wherein said each receptacle is defined
9 by a first thermally conductive wall and a plurality of secondary thermally conductive walls;
10 a temperature sensor for measuring a temperature of said heating chamber; and

11 a heater for applying heat to said first wall of each said receptacle;
12 wherein said secondary walls of said each receptacle are arranged to conduct heat
13 from the first wall of said each receptacle and distribute said conducted heat about said
14 corresponding medical item contained within that receptacle to heat said corresponding medical item
15 to said desired temperature;
16 a controller to facilitate entry of said desired temperature for said heating chamber and to
17 control said heater to heat said at least one medical item to said desired temperature in response to
18 said temperature measured by said temperature sensor; and
19 a support mechanism to suspend said system from a support structure.

1 18(Amended). In a temperature control system including a system housing and a heating
2 chamber disposed within said housing and having at least one receptacle for receiving a
3 corresponding medical item, wherein each receptacle is defined by a first thermally conductive wall
4 and a plurality of secondary thermally conductive walls and is manipulable relative to said housing
5 to facilitate entry and removal of said corresponding medical item within said system, a method of
6 heating medical items to a desired temperature comprising the steps of:
7 (a) receiving at least one medical item within said at least one receptacle in response to
8 manipulation of said at least one receptacle relative to said housing;
9 (b) measuring a temperature of said heating chamber via a temperature sensor;
10 (c) applying heat to said first wall of each receptacle via a heater;
11 (d) conducting heat from said first wall of each receptacle, via respective secondary walls,
12 to distribute said conducted heat about a corresponding medical item contained within that receptacle
13 to heat said corresponding medical item to said desired temperature; and

14 (e) facilitating entry of said desired temperature for said heating chamber, via a controller,
15 and controlling said heater to heat said at least one medical item to said desired temperature in
16 response to said temperature measured by said temperature sensor.

1 19(Amended). [The method of claim 18 wherein said heating chamber further includes] In
2 a temperature control system including a system housing, a heating chamber disposed within said
3 housing and having at least one receptacle for receiving a corresponding medical item and a drawer
4 having said at least one receptacle, [and] wherein each receptacle is defined by a first thermally
5 conductive wall and a plurality of secondary thermally conductive walls, a method of heating
6 medical items to a desired temperature comprising the steps of:

7 (a) receiving at least one medical item within said at least one receptacle, wherein step (a)
8 further includes:

9 (a.1) pivoting said drawer relative to said housing to facilitate entry and removal of
10 said drawer within said system;

11 (b) measuring a temperature of said heating chamber via a temperature sensor;

12 (c) applying heat to said first wall of each receptacle via a heater;

13 (d) conducting heat from said first wall of each receptacle, via respective secondary walls,
14 to distribute said conducted heat about a corresponding medical item contained within that receptacle
15 to heat said corresponding medical item to said desired temperature; and

16 (e) facilitating entry of said desired temperature for said heating chamber, via a controller,
17 and controlling said heater to heat said at least one medical item to said desired temperature in
18 response to said temperature measured by said temperature sensor.

1 23(Amended). [The method of claim 22] In a temperature control system including a system
2 housing, a plurality of heating chambers each disposed within said housing and having at least one
3 receptacle for receiving at least one medical item and a plurality of controllers associated with
4 corresponding heating chambers, wherein each receptacle is defined by a first thermally conductive
5 wall and a plurality of secondary thermally conductive walls, a method of heating medical items to
6 a desired temperature comprising the steps of:

7 (a) receiving said at least one medical item within each heating chamber;

8 (b) measuring a temperature of each heating chamber via a corresponding temperature
9 sensor;

10 (c) applying heat within each heating chamber, via a corresponding heater, to said first wall
11 of each heating chamber receptacle;

12 (d) conducting heat from said first wall of each heating chamber receptacle, via respective
13 secondary walls, to distribute said conducted heat about a corresponding medical item contained
14 within that receptacle to heat said corresponding medical item to said desired temperature; and

15 (e) facilitating entry of said desired temperature for each heating chamber, via a
16 corresponding controller, and controlling said heater of said corresponding heating chamber to heat
17 said at least one medical item contained within that heating chamber to said corresponding desired
18 temperature in response to a temperature measured by said temperature sensor associated with said
19 corresponding heating chamber, wherein step (e) further includes:

20 [(e.2)] (e.1) entering different desired temperatures for at least two of said heating chambers.

1 24(Amended). [The method of claim 18 further including a plurality of said heating
2 chambers each for receiving at least one medical item, and step (a) further includes:

3 (a.1) receiving said at least one medical item within each said heating chamber;

4 step (b) further includes:

5 (b.1) measuring a temperature of each heating chamber via a corresponding temperature
6 sensor;

7 step (c) further includes:

8 (c.1) applying heat within each heating chamber, via a corresponding heater, to said first
9 wall of each heating chamber receptacle;

10 step (d) further includes:

11 (d.1) conducting heat from said first wall of each heating chamber receptacle, via respective
12 secondary walls, to distribute said conducted heat about a corresponding medical item contained
13 within that receptacle to heat said corresponding medical item to said desired temperature; and

14 step (e) further includes:

15 (e.1) facilitating entry of a desired temperature for each heating chamber, via said controller,
16 and controlling said heater of each said heating chamber to heat said at least one medical item
17 contained within that heating chamber to said corresponding desired temperature in response to a
18 temperature measured by said temperature sensor associated with that heating chamber] In a
19 temperature control system including a system housing, a plurality of heating chambers each
20 disposed within said housing and having at least one receptacle for receiving at least one medical
21 item, wherein each receptacle is defined by a first thermally conductive wall and a plurality of
22 secondary thermally conductive walls, a method of heating medical items to a desired temperature
23 comprising the steps of:

24 (a) receiving said at least one medical item within each heating chamber;

25 (b) measuring a temperature of each heating chamber via a corresponding temperature

26 sensor;

27 (c) applying heat within each heating chamber, via a corresponding heater, to said first wall
28 of each heating chamber receptacle;

29 (d) conducting heat from said first wall of each heating chamber receptacle, via respective
30 secondary walls, to distribute said conducted heat about a corresponding medical item contained
31 within that receptacle to heat said corresponding medical item to said desired temperature; and

32 (e) facilitating entry of a desired temperature for each heating chamber, via a controller, and
33 controlling said heater of each said heating chamber to heat said at least one medical item contained
34 within that heating chamber to said corresponding desired temperature in response to a temperature
35 measured by said temperature sensor associated with that heating chamber.

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1 25(Amended). The method of claim 24 wherein step (e) further includes:

2 [(e.2)] (e.1) entering different desired temperatures for at least two of said heating chambers.

1 26(Amended). [The method of claim 18] In a temperature control system including a system
2 housing and a heating chamber disposed within said housing and having at least one receptacle for
3 receiving a corresponding medical item, wherein each receptacle is defined by a first thermally
4 conductive wall and a plurality of secondary thermally conductive walls, a method of heating
5 medical items to a desired temperature comprising the steps of:

6 (a) receiving at least one medical item within said at least one receptacle, wherein step (a)
7 further includes:

8 (a.1) fastening medical equipment to said housing;

9 (b) measuring a temperature of said heating chamber via a temperature sensor;

10 (c) applying heat to said first wall of each receptacle via a heater;

11 (d) conducting heat from said first wall of each receptacle, via respective secondary walls,

12 to distribute said conducted heat about a corresponding medical item contained within that receptacle

13 to heat said corresponding medical item to said desired temperature; and

14 (e) facilitating entry of said desired temperature for said heating chamber, via a controller,

15 and controlling said heater to heat said at least one medical item to said desired temperature in

16 response to said temperature measured by said temperature sensor.

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1 27(Amended). [The method of claim 18 wherein said system further includes] In a
2 temperature control system including a system housing, a heating chamber disposed within said
3 housing and having at least one receptacle for receiving a corresponding medical item and a support
4 mechanism, [and] wherein each receptacle is defined by a first thermally conductive wall and a
5 plurality of secondary thermally conductive walls, a method of heating medical items to a desired
6 temperature comprising the steps of:

7 (a) receiving at least one medical item within said at least one receptacle, [and] wherein step

8 (a) further includes:

9 (a.1) suspending said system from a support structure via said support mechanism;

10 (b) measuring a temperature of said heating chamber via a temperature sensor;

11 (c) applying heat to said first wall of each receptacle via a heater;

12 (d) conducting heat from said first wall of each receptacle, via respective secondary walls,

13 to distribute said conducted heat about a corresponding medical item contained within that receptacle

14 to heat said corresponding medical item to said desired temperature; and

15 (e) facilitating entry of said desired temperature for said heating chamber, via a controller,

16 and controlling said heater to heat said at least one medical item to said desired temperature in
17 response to said temperature measured by said temperature sensor.

1 34(Amended). In a temperature control system having at least one receptacle each for
receiving a corresponding medical item, wherein each said receptacle is defined by a plurality of
walls and is manipulable relative to said housing to facilitate entry and removal of said
4 corresponding medical item within said system, a method of heating medical items to a desired
5 temperature comprising the steps of:

6 (a) receiving at least one medical item within said at least one receptacle in response to
7 manipulation of said at least one receptacle relative to said housing; and

8 [(a)] (b) applying heat to a first wall of each said receptacle and conducting said applied heat
9 from said first wall to remaining walls of that receptacle to distribute said conducted heat about a
10 corresponding medical item contained within that receptacle to heat said corresponding medical item
11 to said desired temperature.--